

Date: Sun, 19 Dec 93 04:30:21 PST
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V93 #138
To: Ham-Equip

Ham-Equip Digest Sun, 19 Dec 93 Volume 93 : Issue 138

Today's Topics:

 chirping oscillator
 Hamfests
 Hands-free portable 2-way radios?
 Heathkit DX-60B Mod?
 Help a new guy - dualband HT?
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 Magellan Nav5000 GPS For Sale
 Mods for tm732 & which dual-bander to buy?
 Program to control Icom R-7100???
 Rebuilding Battery Packs (Yaesu FNB-10) (3 msgs)
 WANTED SAWN POWER SUPPLY (2 msgs)

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 16 Dec 1993 21:31:26 GMT
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!gatech!swrinde!
cs.utexas.edu!cactus.org!majec@network.ucsd.edu
Subject: chirping oscillator
To: ham-equip@ucsd.edu

The Sad Tale of a Musical Oscillator, Or how I'll spend my Xmas vacation

Well, what that silly first line was meant to allude to was the fact that
I have a chirping, whooping, and generally being anything but, stable

oscillator.

As CW is my preferred form of rf emission this chirping oscillator just won't cut it.

Here are the specifics.

The rig is a TEN-TEC pm2 (early 70's qrp rig) It's a direct conversion style transceiver. "The oscillator used for receiving operates directly at the frequency being received. This allows the same oscillator to be used for transmitting. When the XTAL/VFO switch is placed in the VFO position, it connects the receiving oscillator output in place of the crystal."

This is a fairly crude design in my opinion. The DPDT switch has single conductor hookup wire going from the switch to the board (six of them) about 2.5 inches long. The switch selects between 80m and 40m lc circuits which feed the base of the bipolar transistor, the oscillator. The oscillator is followed by a buffer and then the XTAL/VFO switch. After the XTAL/VFO switch is the driver stage and the final.

That's it on the radio

Soooo, what how about suggestions on improving the stability of the oscillator. By the way there is no shielding around the transistor section of the oscillator, the inductor is in a metal can but that's it.

Any suggestions would be appreciated. I am going camping down into Mexico and want to use my new (to me) VFO capable radio as opposed to my MXM rock bound QRP rig.

Thanks in advance.

Ed Guinn
kb5ruf
majec@cactus.org

Date: 16 Dec 1993 01:35:13 -0600
From: illuminati.io.com!nobody@uunet.uu.net
Subject: Hamfests
To: ham-equip@ucsd.edu

Does anyone know of any Hamfests in Michigan within the next few months? I'm particularly looking for used base transceivers, apartment antennae, and hand-held transceivers (Of course I'm a ham virgin, how nice of you to notice)

Any info at all on a hamfest or -working and in good-to-excellent condition-
equipment will be very appreciated(email even moreso)

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Matt Rupert Bodyguards - Personal Liason Taurus Executive Protetion
2984 Pheasant Run Drive apt D Jackson MI 49202 (517) 782-1438 24hrs a day
 "This is UNIX...I know this!" Jurassic Park

Date: Thu, 16 Dec 1993 18:28:00 GMT
From: sdd.hp.com!hpscit.sc.hp.com!nsa.hp.com!cupnews0.cup.hp.com!news1.boi.hp.com!
verghese@network.ucsd.edu
Subject: Hands-free portable 2-way radios?
To: ham-equip@ucsd.edu

My friends and I are looking for some radios to talk to each other
while we ski. Radio Shack used to carry one where the earplug served
as the microphone also. There was no big boom mike in front of you.
Unfortunately, this radio has been discontinued.

Does anyone know of a similar product? We'd like to get one that
doesn't require a microphone in front of your mouth. Hands-free
operation is a must, and range is not that important.

Please respond by e-mail or post to alt.toys.hi-tech. I will post a
summary of responses.

Thanks in advance,

Phil

.-----\|
| Phil Verghese verghese@boi.hp.com |\
| Hewlett-Packard Boise Printer Division | |
| MS 133, Boise, ID 83714 | |
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Date: Fri, 17 Dec 1993 02:25:37 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!avdms8.msfc.nasa.gov!
sol.ctr.columbia.edu!news.unomaha.edu!cwis.unomaha.edu!ncc2001@network.ucsd.edu
Subject: Heathkit DX-60B Mod?
To: ham-equip@ucsd.edu

Hello all! I am wondering if there is anyway I can add SSB to my Heathkit DX-60B (currently CW/AM) so I can do 10M SSB. I would prefer a "black box" between the transmitter and the antenna, although a hardware modification would be considered. If you have any ideas, please e-mail me at ncc2001@cwis.unomaha.edu or packet at NOYBC@WB0BLR.#SWIA.IA.USA.NOAM. Thanks.

73 de NOYBC Michael

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Michael Fortner	NOYBC	DOCTOR! DOCTOR! DOCTOR!...	
Internet:	ncc2001@cwis.unomaha.edu	Well, what's your problem?	
Packet:	NOYBC@WB0BLR.#SWIA.IA.USA.NA	My brain hurts!	
		It'll have to come out then!	

Date: Wed, 15 Dec 1993 14:39:21 -0700
From: orca.es.com!cnn.sim.es.com!msanders.sim.es.com!user@uunet.uu.net
Subject: Help a new guy - dualband HT?
To: ham-equip@ucsd.edu

In article <1993Dec14.181050.2368@news.csuohio.edu>,
mike@garfield.csuohio.edu (mike mayer) wrote:

> Well, I got the Tech+ CSCE and waiting for call-letters. In meantime, am lucky
> enough to live 30 mi. from AES, and checked it out. Got BURIED in info.
>
> I'm thinking about taking a deep breath and going the route of
> a decent, well-featured dual band (144/440) HT. My area is
> populated enough for both 2m and 70cm, I am told.
>
> Mike, () <--- space for call letters when they come.
>

Mike:

I have three Alinco DJ-180Ts (two other amateurs in the family) and we really like them. I would think that the same type of engineering went into the 580T. The seem to be rugged and work well.

My first radio (last April) was a Yaesu mobile which I use when commuting. I would go the same way again for the power output (when needed - usually

stay on low power of 5 watts). A lot guys in the commute use HT's, but they get more intermod than I do (like zero on my FT-2400H). Another friend of mine has the Yaesu dual band HT and really likes that one. The only feature I don't have that I would really like is autodial. When driving, it would be much safer to hit 1 or 2 buttons than all the ones needed to dial a phone number. It's OK for dialing as it is when I am stopped.

Have fun,
Milt

PS: you can also find decent used equipment here in rec.radio.swap. My problem is in knowing anything about the slightly older rigs that are not in the catalogs any more.

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Opinions, thoughts, &cetera are my own (when I can remember them).

"He flies the sky
Like an Eagle in the eye
of a hurricane that's abandoned."

KB7MSF
UTAH

America

Date: Fri, 17 Dec 1993 21:15:45 GMT
From: netcomsv!netcom.com!dparker@decwrl.dec.com
Subject: IC229H Power connector
To: ham-equip@ucsd.edu

My Icom IC229H 2m mobile rig has a power connector on the back (amazing) that connects to some heavy gage wire. My question is this: Is that a common connector, something I could pick-up at the Shack? I would like to move it into the house but leave the power cable in place in my van in case I want to re-install it in the van. I'm sure I could buy a replacement from Icom or a dealer, but would rather make my own.
Thanks for any advice.

Dave, KD6RRS, Tracy. CA USA

Date: 15 Dec 1993 21:31:59 GMT
From: library.ucla.edu!agate!news.Brown.EDU!NewsWatcher!user@network.ucsd.edu
Subject: Kantronics Packet Communicator Help
To: ham-equip@ucsd.edu

I was just recently loaned a Kantronics Packet Communicator by a friend. I've wired it all up and tried to talk to it via RS232 to no avail. Trying a null-modem adapter did give me something, screenfulls of garbage, but repeating garbage.

Is there anyone out there that can tell me what rate the TNC talks to the computer at, and how many bits, parity and stop? I've already figured out the TTL/RS232, and Test/Normal jumpers but I'm not sure what the HI/LO jumper is for. I suspect it's DTR but can someone confirm this? In addition, what character must one send to the TNC to get it to configure itself properly? I know on the PK-232 it's an asterisk, and Ctrl-C gets you out of a mode. How about on this one? Please direct all answers to email as I don't scan this group that often.

Thanks,
Tony

--
== Tony Pelliccio, KD1NR
== Anthony_Pelliccio@Brown.edu
== Brown University Alumni & Development Computing Services
== Box 1908
== Providence, RI 02912
== (401) 863-1880

Date: 15 Dec 1993 18:19:45 GMT
From: nntp.ucsb.edu!library.ucla.edu!agate!msuinfo!netnews.upenn.edu!
mipg.upenn.edu!yee@network.ucsd.edu
Subject: Low mike gain on the RS HTX202
To: ham-equip@ucsd.edu

I believe that there have been several posts on this issue about the 202 but I didn't save it at the time.

My problem is that I am getting reports of low audio on my Radio Shack HTX202. I don't have similar problems with my ICOM 32AT and ICOM 2AT so the problem must lie in the HTX202. Could someone send me the the instructions to adjust the mike gain?

--
Medical Image Processing Group | Conway Yee, N2JWQ
411 Blockley Hall | EMAIL : yee@mipg.upenn.edu
418 Service Drive | VOICE : 1 (215) 662-6780
Philadelphia, PA 19104-6021 (USA) | FAX : 1 (215) 898-9145

Date: 15 Dec 1993 20:18:56 GMT
From: tymix.Tymnet.COM!drawson@uunet.uu.net
Subject: Low mike gain on the RS HTX202
To: ham-equip@ucsd.edu

You might treat "low mike gain" as a feature! Talk louder and you will get normal signal reports. The "feature" is that the radio will work better in noisy surroundings, as the mike won't pick up the noise as easily. (Then again, your surroundings will be noisier when you have to talk louder....)

73,
Dick drawson@tymnet.com n6cmj

Date: 16 Dec 1993 19:54:41 GMT
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!gatech!taco!
inxs.concert.net!rock.concert.net!mikewood@network.ucsd.edu
Subject: Magellan Nav5000 GPS For Sale
To: ham-equip@ucsd.edu

I have a Magellan NAV-5000 GPS handheld navigation receiver for sale.

The unit is in excellent condition. It was used for only one day to determine the location and altitude of a group of radio transmitting sites.

It has 5 simultaneous receiving channels to allow continuous tracking of the unit's current latitude, longitude and altitude, while the 5th channels searches for additional available GPS satellites in order to maintain the continuous tracking process.

The unit has the NMEA port for connection to auto-pilots, computers , etc.

Will sell with original packaging and documentation and UPS 2 day AIR shipping for the first \$600 money order or cashiers check . Please call or email to see if the unit is sold before sending any money.

Give yourself a first class gadget for Christmas....

Mike Wood Internet: mikewood@rock.concert.net

The Signal Group

P.O. Box 1979 ***Avoid company disclaimers by owning the company ***
Wake Forest, NC 27588

Phone: 919-556-8477 Fax: 919-556-0115

Date: 16 Dec 1993 23:07:23 GMT
From: ucsnews!sol.ctr.columbia.edu!news.kei.com!world!bloom-beacon.mit.edu!
paperboy.osf.org!mickey.osf.org!craig@network.ucsd.edu
Subject: Mods for tm732 & which dual-bander to buy?
To: ham-equip@ucsd.edu

I just purchased a Yaesu 5200 & it doesn't do what I want to do -
specifically allow me to control it remotely via an HT w/DTMF pad.
This is quite important to me. It does provide repeater operation,
which is one of my essential points. HRO will give me full credit if
I bring it back.

The Kenwood tm732 apparently does allow this (along with a remote head
which is also essential), and sounds like a good rig.

Any suggestions on which rig to get? Anyone have mods for the 732?

Thanks,

Craig.

--
Craig Peterson, n8ino craig@mainstream.com
PO Box 1120, Merrimack, NH 03054-1120
Unless otherwise noted opinions expressed are not those
of my employers.

Date: Thu, 16 Dec 1993 21:31:51 GMT
From: wyvern!jwhite@uunet.uu.net
Subject: Program to control Icom R-7100???
To: ham-equip@ucsd.edu

A friend recently purchased an Icom R-7100. It is a very nice unit and they
have purchased the Icom CT-17 option which allows communication between the
computers serial port (in this case com-2) and the radios CI-V interface.
The problem is that the Icom documentation included with the radio and the
CT-17 does not offer the best information as to how to use this interface to
it's fullest capabilities. They offer several programs which are written in

Basic that will preform basic functions, but the programs appear to be poorly commented and will require modification to run on their particular version of Basic.

I have located several programs which appear to be able to drive this radio namely Autolog4 and Icom.c. But, these programs are specifically designed with transcievers in mind. Does anyone have any knowledge of a good program that will exercise all the capabilities of this radio? If so please eMail me some info. You can even UUencode the program and eMail it to me if you have one. My friend is an Extra Class ham, but not a computer guru. So something to the point would be far more enjoyable for them. Certainly someone has gone to the trouble to write a Windows application for this purpose??? Please eMail any comments if possible so I'll be sure not to miss them.

Thanks in advance,

N4IFC

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From: John L. White	Phone: (804) 422-2042
Beach Trading Corporation	Fax: (804) 437-0045
P.O. Box 65054	
Virginia Beach, VA 23464	eMail: jwhite@wyvern.com

Date: 16 Dec 1993 16:42:07 GMT
From: sdd.hp.com!hpscit.sc.hp.com!icon.rose.hp.com!hpchase.rose.hp.com!
stan@network.ucsd.edu
Subject: Rebuilding Battery Packs (Yaesu FNB-10)
To: ham-equip@ucsd.edu

I have pried apart several of the FNB-17s, and you can get them apart if you are paitent. They come apart just like the AA packs (FTS-17?) but you have to crack the glue holding them together. I have had good luck at smacking the glue line against the sharp edge of a table to crack the glue and prying them open starting at the top. They will resist because in addition to gluing the edges, there is some goop inside that is like RTV that glues the batteries to each half that is very resilient. just keep prying and you will get them apart. Start with your most beat up pack as the pack will take some abuse until you ghet the hang of it.

If you want a real challenge, try disassembling a motorola pack :-)

good luck

stan

--

From: munnari.oz.au!sgiblab!spool.mu.edu!agate!dog.ee.lbl.gov!
biocca@network.ucsd.edu
Subject: Rebuilding Battery Packs (Yaesu FNB-10)
To: ham-equip@ucsd.edu

I see plenty of advertisements for replacement battery units that fit inside the OEM cases. I have some dead Yaesu FNB-10 packs that I'd like to repair. The problem is they are glued together and apparently difficult to disassemble. The one manufacturer I called won't give any data on how to disassemble the packs (wonderful service).

Has anyone successfully disassembled this particular pack, or similar ones and found a useful technique to apply to glued-together packs? Obviously I can attack this thing with a utility knife, but I was hoping for a bit more finesse - I have several to fix.

Alan
WB6ZQZ

Date: 17 Dec 93 23:07:41 GMT
From: tymix.Tymnet.COM!drawson@uunet.uu.net
Subject: WANTED SAWN POWER SUPPLY
To: ham-equip@ucsd.edu

In article <2et1l0\$15q@wrdis02.robins.af.mil>,
>gwood@robins.af.mil (Greg Wood Mr) writes:
> WANTED SAWN POWER SUPPLY 177XC
> PLEASE REPLY BYE E-MAIL

Yikes! First we were breaking apart battery packs; now we are sawing power supplies!

:-) Dick (swan song) Rawson n6cmj drawson@tymnet.com

Date: 16 Dec 1993 21:26:32 GMT
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!math.ohio-state.edu!
mane.cgrg.ohio-state.edu!aus1.robins.af.mil!wrdis02.robins.af.mil!
gwood@network.ucsd.edu
Subject: WANTED SAWN POWER SUPPLY
To: ham-equip@ucsd.edu

WANTED SWAN POWER SUPPLY 117KC
PLEASE POST ON E-MAIL
THANK YOU

GREG WOOD

End of Ham-Equip Digest V93 #138
